

ECS Configuration Change quest

Page 1 of 1 Pages

CCR No. <u>98-0128</u>	Logged Date <u>2/2/98</u>	Rev. <u>-</u>	Request Type <u>CCR</u>
Priority Routine <input checked="" type="checkbox"/> Emergency <input type="checkbox"/>	Affected Release <u>2.0</u>	Change Class <u>INS</u>	
Title (description) Implement Secure Shell 1.2.21 in VATC and EDC			
Documents Affected None <u>920-TSV-002</u> (VATC HW-SW Mapping and EDC HW-SW Mapping will be affected when ssh baselined)		Source Nos (RID, NCR, Action Item, GSFC CCR, etc.) or Tech Reference ECSed09857	
RTM Change <input type="checkbox"/> Start New Baseline <input type="checkbox"/>			
Problem External interfaces to ECS have abandoned Kerberos as a solution due to its complexity. A secure replacement method of accessing ECS DAAC assets from untrusted networks such as the Internet is required selected users such as SCFs and principal investigators and their teams as well as for ECS system administrators. A solution is required as quickly as possible.			
Proposed Solution Secure Shell (ssh) is a software only solution that will execute and interoperate on all supported ECS platforms. Versions for SGI IRIX 6.2 and Sun Solaris 5.5.1 have been prepared for deployment. The package needs to be installed and tested in a DAAC network configuration first to insure quality and consistency. There is no direct cost associated with the installation of the software as it is freeware. In addition, deployment to a single SGI host (e0spg01) at EDC is required to fix an NCR. Byron Peters will coordinate the installation and test. A follow on CCR will request to baseline ssh (including Hardware-Software mappings), procure support from the U.S. distributor and provide an implementation plan. <u>Need Date: 2/5/98</u>			
Impact Analysis:			
Organizations Affected:			
BOO <input type="checkbox"/>	Contracts <input type="checkbox"/>	ECS Chief Eng <input type="checkbox"/>	FOS <input type="checkbox"/>
Procurement <input type="checkbox"/>	Rel. Dev <input type="checkbox"/>	Rel. A <input type="checkbox"/>	Rel. C <input type="checkbox"/>
Science Off <input type="checkbox"/>	Subcontract <input type="checkbox"/>	Sys. Eng <input checked="" type="checkbox"/>	Sys Verf Acpt <input type="checkbox"/>
Security <input checked="" type="checkbox"/>			SCDO Arch. <input type="checkbox"/>
Cost:			
None <input checked="" type="checkbox"/>	Small <input type="checkbox"/>	Medium <input type="checkbox"/>	Large <input type="checkbox"/>
(Not exceeding \$100,000) (\$100,000 to \$500,000) (Over \$500,000)			
Schedule:			
None <input checked="" type="checkbox"/>	Other		
Additional LOC _____		Man-Months _____	
Materials			
Originator <u>Byron V. Peters</u>		Signature <u>Byron V. Peters</u> Date <u>02/02/98</u>	
Office <u>SED</u>		Office Manager <u>Basell Miller</u> Date <u>2/2/98</u>	
Disposition			
Approved <input type="checkbox"/>	Approved w/Comment <input checked="" type="checkbox"/>	Forward <input type="checkbox"/>	Disapproved <input type="checkbox"/>
Comments: <u>Update VATC & SW map prior to test</u>			
CCB Chairperson		Signature <u>TW Fisher</u> Date <u>2/3/98</u>	

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